

ALTECH® PA66 A 2040/100.01 GF40

Polyamide 66
ALBIS PLASTIC GmbH

Message:

ALTECH® PA66 A 2040/100.01 GF40 is a Polyamide 66 (Nylon 66) product filled with 40% glass fiber. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Good Aesthetics
- Heat Stabilizer
- High Stiffness

General Information				
Filler / Reinforcement		Glass Fiber,40% Filler by Weight		
Additive		Heat Stabilizer		
Features		Good Surface Finish		
		Heat Stabilized		
		High Stiffness		
Agency Ratings		EC 1907/2006 (REACH)		
RoHS Compliance		RoHS Compliant		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.45	--	g/cm ³	ISO 1183
Water Absorption (Saturation, 23°C)	5.0	--	%	ISO 62
Moisture - Karl Fischer	0.10	--	%	ISO 15512
FMVSS Flammability	passed	--		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	13000	--	MPa	ISO 527-2
Tensile Stress (Break)	205	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	--	%	ISO 527-2
Flexural Stress	310	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	13	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	90	--	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	--	°C	ISO 75-2/A

Vicat Softening Temperature	200	--	°C	ISO 306/B50
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+17	--	ohms·cm	IEC 60093
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 12		hr	
Suggested Max Moisture	0.15		%	
Processing (Melt) Temp	270 to 300		°C	
Mold Temperature	80.0 to 120		°C	

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